Commonwealth of Kentucky

Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

AIR QUALITY PERMIT

Issued under 401 KAR 52:040

Permittee Name:	**CAMCO Chemical Co., Inc.**
Mailing Address:	**8150 Holton Drive** **Florence, KY 41042**
Source Name:	**CAMCO Chemical Co., Inc.**
Mailing Address:	**Same as above**
Source Location:	**Same as above**
Permit Number:	**S-06-119**
Source A. I. #:	**162**
Activity #:	**APE20060001**
Review Type:	**State-Origin**
Source ID #:	**21-015-00069**
Regional Office:	**Florence Regional Office** **8020 Veterans Memorial Drive, Suite 110** **Florence, KY 41042**
County:	**Boone**
Application Complete Date:	**July 24, 2006**
Issuance Date:	**August 10, 2006**
Revision Date:	
Expiration Date:	**August 10, 2016**

John S. Lyons, Director
Division for Air Quality

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Source Description

401 KAR 52:080 shall apply to sources whose potential to emit (PTE) equals or exceeds a major source threshold for the Title V Program. Their actual emissions during any consecutive twelve (12) month period of operation after January 1, 1996, are to be less than fifty (50) percent of the major source thresholds for the Title V Program. Records shall be summarized each month and added to the previous eleven (11) months to provide a total of actual emissions for each consecutive twelve (12) month period and demonstrate that the source's actual emissions during each consecutive twelve (12) month period are less than fifty (50) percent of the major source thresholds.

Emission Units EP1 and EP9 – Indirect Heat Exchangers (Boilers)

EP1 – Combustion Unit #1 (Boiler NG Fired)

Description:

Cleaver Brooks Model #M4HP-5000 (Primary Unit)

Fuel:	Natural gas
Construction commenced:	June 1981
Rated Capacity:	5.73 mmBtu/hr
Control Equipment:	None

EP9 – Combustion Unit #2 (Boiler NG Fired)

Description:

Superior Boiler, Mohawk Model # 4-X-253 – (Back-up)

Fuel:	Natural gas and Fuel Oil No. 2
Construction commenced:	June 1981
Rated Capacity:	2.024 mmBtu/hr
Control Equipment:	None

APPLICABLE REGULATIONS

401 KAR 59:015, *New Indirect Heat Exchangers* - applies to the particulate matter and sulfur dioxide emissions for each indirect heat exchanger commenced on or after April 9, 1972

1. **Operating Limitations:**
   None

2. **Emission Limitations:**
   a) Pursuant to 401 KAR 59:015, Section 4(1)(a), emissions of particulate matter (PM) from the combustion of natural gas or fuel oil of emission points EP1 and EP9 shall not exceed 0.50 lb/mmBtu actual heat input, based on a three-hour average.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b) Pursuant to 401 KAR 59:015, Section 4(2), emissions from each of EP1 and EP9 shall not exceed 20% opacity based on a six minute average, except that a maximum of 40% opacity based on a six minute average shall be permissible for not more than six consecutive minutes in any 60 consecutive minutes during cleaning the fire-box or blowing soot and except for emissions during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c) Pursuant to 401 KAR 59:015, Section 5(1)(a), emissions of sulfur dioxide from each of EP1 and EP9 from the combustion of natural gas or fuel oil shall not exceed 3.0 lb/mmBtu actual heat input, based on a 24-hour average.

d) See **Section D.3, Source Emission Limitations** for source-wide emission limitations.

Compliance Demonstration Method:

a) Compliance with the particulate emission limit is demonstrated when burning natural gas, based on an AP-42 emission factor of 7.6 lbs PM/million standard cubic feet (mmscf) and a fuel heat capacity of 1020 mmBtu/mmscf. Compliance with the particulate emission limit is demonstrated when burning fuel oil, based on an AP-42 emission factor of 2 lbs PM/1000 gallons and a fuel heat capacity of 140,000 Btu per gallon.

b) Compliance with the opacity limit is demonstrated when burning natural gas. Refer to **Monitoring Requirements 4.b** for compliance with the opacity limitation when burning No. 2 fuel oil. Refer to **Recordkeeping Requirements 5.c** for compliance with the opacity limitation during periods of boiler startup, shutdown or malfunction.

c) Compliance with the sulfur dioxide limit is demonstrated when burning natural gas, based on an AP-42 emission factor of 0.6 lbs SO_2/mmscf and a fuel heat capacity of 1020 mmBtu/mmscf. Compliance with the sulfur dioxide limit is demonstrated when burning fuel oil if the lbs of SO_2 per mmBtu is less than the limit, to be determined by the permittee based on an AP-42 emission factor of 142 x %S (lb/1000 gal), the fuel oil sulfur content S (%), and a fuel heat capacity of 140,000 Btu per gallon. Refer to **Monitoring Requirements 4.a** for determination of fuel oil sulfur content.

3. Testing Requirements:

Pursuant to 401 KAR 59:005 Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Monitoring Requirements:

The permittee shall monitor and maintain records of the following information:

a) The sulfur content of fuel oil burned in EP1 and EP9. The sulfur content may be determined by fuel sampling and analysis or by fuel supplier certification at the time of fuel purchase.

b) The type and monthly amount of fuel fired in each unit (cubic feet/month or gallons/per month for natural gas and oil, respectively), and the monthly hours of operation of each boiler.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c) If fuel oil is combusted at EP9, the permittee shall perform a qualitative visible observation of the opacity of emissions once per week from the respective emission unit stack upon stabilization of the emission unit after startup and maintain a log of the observation. If visible emissions from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs.

5. Recordkeeping Requirements:

a) Records shall be maintained of the visual observations of stack emissions, any EPA Reference Method 9 test performed, and any necessary repairs made as a result of not meeting an emission limitation.

b) The permittee shall maintain records in accordance with **4. Monitoring Requirements**.

c) During periods of each boiler startup, shutdown or malfunction, a daily (calendar day) log of the following information shall be kept:

i. Whether any air emissions were visible from the boiler stack.
ii. Whether the visible emission were normal for the process.
iii. The color of the emissions and whether the emissions were light or heavy.
iv. The cause of the abnormal visible emissions.
v. Any corrective actions taken.

6. Reporting Requirements:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units EP2, EP4-EP8, and EP10 – Powder Detergent Processing

EP2 – Storage Silos

Description:

Ten Storage Silos
Maximum continuous rating: 20 Tons/hour
Construction commenced: August 1981
Control Equipment: Rolfes Dust Collectors (Baghouse for particulate matter)

EP4 – Small Bag/Box Filler

Description:

Bag/Box Filling Machine
Maximum continuous rating: 10 Tons/hour
Construction commenced: October 1981
Control Equipment: Rolfes Dust Collectors (Baghouse for particulate matter)

EP5 – Mixers

Description:

Five Mixers and Scales
Maximum continuous rating: 22 Tons/hour
Construction commenced: October 1981
Control Equipment: Rolfes Dust Collectors (Baghouse for particulate matter)

EP6 – Storage Silos

Description:

TSPP Storage Silo #1
Maximum continuous rating: 50 Tons/hour
Construction commenced: October 1981
Control Equipment: Rolfes Dust Collectors (Baghouse for particulate matter)

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP7 – Storage Silos

Description:

TSPP Storage Silo #2

Maximum continuous rating:	50 Tons/hour
Construction commenced:	August 1981
Control Equipment:	Rolfes Dust Collectors (Baghouse for particulate matter)

EP8 – Large Bag Filler

Description:

Large Bag Filler Machine

Maximum continuous rating:	10 Tons/hour
Construction commenced:	October 1981
Control Equipment:	Rolfes Dust Collectors (Baghouse for particulate matter)

EP10 – Bulk Loading of Detergents

Description:

Truck Load-out

Maximum continuous rating:	15 Tons/hour
Construction commenced:	August 1981
Control Equipment:	Rolfes Dust Collectors (Baghouse for particulate matter)

APPLICABLE REGULATIONS

401 KAR 59:010, *New process operations.* The provisions of this administrative regulation shall apply to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulates in this chapter, commenced on or after July 2, 1975.

1. **Operating Limitations:**
   None

2. **Emission Limitations:**
   a) No person shall cause, suffer, allow, or permit any continuous particulate emission into the open air from a control device or stack associated with any affected facility, which is equal to or greater than twenty (20) percent opacity.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b) For emissions from a control device or stack no person shall cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of the quantity in Appendix A to 401 KAR 59:010. For a process weight rate less than or equal to 1,000 lb/hr, the maximum allowable emission rate is 2.34 lb/hr. For process weight rate greater than 1,000 lb/hr and less than 60,000 lb/hr, the maximum allowable emission rate is given by the following equation

$$E = 3.59P^{0.62}$$

where **E** = rate of emission in lb/hr and **P** = process weight rate in tons/hr.

Compliance Demonstration Method:

a) For compliance with the opacity limit, refer to 4. Monitoring Requirements.

b) Compliance with the particulate matter limit is demonstrated based on the maximum controlled emission rates for the four emission points listed in the following table.

Emission Point	Process Weight Rate (tons/hr)	Emission Factor (lbs/ton)	Control Efficiency (%)	Allowable Emission Rate (lb/hr)	Maximum Controlled Emissions (lb/hr)
EP2	20	4.00	95.0	23.00	4.000
EP4	10	3.00		14.97	1.500
EP5	22	5.00		24.40	5.500
EP6, EP7	50	4.00		40.59	10.000
EP8	10	3.00		14.97	1.500
EP10	15	4.00		19.24	3.000

Table 2. Emission Rates for Particulate Matter

At all times, including periods of start-up, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

3. Testing Requirements:

Refer to 4. Monitoring Requirements.

4. Monitoring Requirements:

The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack monthly basis and maintain a log of the observation. If visible emissions from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Recordkeeping Requirements:

a) Refer to Section C, B.

b) If groups of similar units are connected in series, records may be kept for the group rather than each unit.

c) The monthly log of qualitative visual observation of opacity of emissions and the opacity determined by Reference Method 9, if any were taken, and repairs that were made due to any opacity reading which exceeded the standard.

6. Reporting Requirements:

Refer to Section C, C.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit EP11 – Liquid Detergent Processing

EP11 – Liquid Filling Operation

Description:

Liquid Detergent Filling Machine
Maximum continuous rating: see Table 3
Construction commenced: October 1981
Packaging material efficiency: 99 %
Control Equipment: None

Table 3. Coatings

Emission Product Number	Rated Capacity (lb/hr)	Pollutant	Fraction of Pollutant by Volume
LP1	10.2170	VOC	0.2000
	10.2170	2-Butoxyethanol	0.2000
LP2	10.6490	VOC	0.2000
	10.6490	2-Butoxyethanol	0.2000
LP3	4.1830	VOC	0.0500
	4.1830	Diethylene glycol n-butyl ether	0.0500
LP4	5.2430	VOC	0.6500
	5.2430	Diethylene glycol n-butyl ether	0.0500
	5.2430	2-Butoxyethanol	0.1000
LP5	6.2480	VOC	0.9130
LP6	7.1520	VOC	0.1000
	7.1520	2-Butoxyethanol	0.1000
LP7	1.4430	VOC	0.1000
	1.4430	2-Butoxyethanol	0.1000
LP8	43.9900	VOC	0.0500
	43.9900	Diethylene glycol n-butyl ether	0.0500
LP9	0.52	VOC	0.1000
	0.52	2-Butoxyethanol	0.1000
LP10	10.046	VOC	0.1800
	10.046	Diethylene glycol n-butyl ether	0.0300
	10.046	2-Butoxyethanol	0.0500
LP11	0.262	VOC	0.1000
	0.262	2-Butoxyethanol	0.0500
LP12	1.157	VOC	0.4000
	1.157	2-Butoxyethanol	0.0500
LP13	7.611	VOC	0.1000
	7.611	2-Butoxyethanol	0.1000
LP14	3.283	VOC	0.1000
	3.283	2-Butoxyethanol	0.1000

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Product Number	Rated Capacity (lb/hr)	Pollutant	Fraction of Pollutant by Volume
LP15	5.334	VOC	0.0500
	5.334	2-Butoxyethanol	0.0500
LP16	3.124	VOC	1.0000
LP17	2.754	VOC	0.1000
	2.754	2-Butoxyethanol	0.1000
LP18	11.637	VOC	0.4500
	11.637	2-Butoxyethanol	0.4500
LP19	0.71	VOC	0.9500
	0.71	Naphthalene	0.1000
	0.71	2-Butoxyethanol	0.1000
LP20	0.4	VOC	0.3500
	0.4	2-Butoxyethanol	0.2500
LP21	1.39	VOC	0.1500
	1.39	2-Butoxyethanol	0.1000
LP22	8.27	VOC	0.1500
	8.27	2-Butoxyethanol	0.1000
LP23	1.312	VOC	0.0500
	1.312	2-Butoxyethanol	0.0500
LP24	0.609	VOC	1.0000
	0.609	Ethylene Glycol Phenyl Ether	0.9000
	0.609	Diethylene Glycol Phenyl Ether	0.1000
LP25	8.964	VOC	0.1000
LP26	3.988	VOC	0.5600
LP27	467.798	VOC	0.2900
	467.798	2-Butoxyethanol	0.0400
LP28	14.1230	VOC	0.4000
LP29	1.8910	VOC	0.7000
LP30	155.000	VOC	0.0500
	155.000	2-Butoxyethanol	0.0500
LP31	13.4630	VOC	0.2500
LP32	23.6360	VOC	0.5900
	23.6360	2-Butoxyethanol	0.0500
LP33	2.0190	VOC	0.1000
	2.0190	2-Butoxyethanol	0.0500
LP34	7.5450	VOC	0.6500
	7.5450	2-Butoxyethanol	0.2900
	7.5450	Ethylene Glycol Monobutylether Acetate	0.0500
LP35	15.7060	VOC	0.2000

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Product Number	Rated Capacity (lb/hr)	Pollutant	Fraction of Pollutant by Volume
LP36	21.864	VOC	0.3000
LP37	18.252	VOC	0.7800
	18.252	2-Butoxyethanol	0.1200
LP38	93.43	VOC	0.6000
	93.43	2-Butoxyethanol	0.0600
LP39	11.094	VOC	0.6000
	11.094	2-Butoxyethanol	0.0600
LP40	40.217	VOC	0.0200
	40.217	2-Butoxyethanol	0.0600
LP41	39.442	VOC	0.0100
	39.442	2-Butoxyethanol	0.0600
LP42	56.175	VOC	0.0200
	56.175	2-Butoxyethanol	0.0600
LP43	52.923	VOC	0.2979
LP44	23.015	VOC	0.7023
LP45	54.456	VOC	0.0400
	54.456	2-Butoxyethanol	0.0400
LP46	22.888	VOC	0.1100
	22.888	2-Butoxyethanol	0.1000
LP47	24.124	VOC	0.1100
	24.124	2-Butoxyethanol	0.1000
LP48	22.763	VOC	0.1600
	22.763	2-Butoxyethanol	0.1000
LP49	26.261	VOC	0.0200
	26.261	2-Butoxyethanol	0.0200
LP50	12.157	VOC	0.0400
	12.157	2-Butoxyethanol	0.0400
LP51	12.198	VOC	0.0400
	12.198	2-Butoxyethanol	0.0400
LP52	12.26	VOC	0.0400
	12.26	2-Butoxyethanol	0.0400
LP53	6.13	VOC	0.0400
	6.13	2-Butoxyethanol	0.0400
LP54	28.068	VOC	0.0300
	28.068	2-Butoxyethanol	0.0300
LP55	26.5750	VOC	0.0500
	26.5750	2-Butoxyethanol	0.0500
LP56	25.0900	VOC	0.1700
	25.0900	Diethylene glycol n-butyl ether	0.1700

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Product Number	Rated Capacity (lb/hr)	Pollutant	Fraction of Pollutant by Volume
LP57	13.3550	VOC	0.0200
	13.3550	2-Butoxyethanol	0.0200
LP58	24.1450	VOC	0.0600
	24.1450	2-Butoxyethanol	0.0400
LP59	6.3200	VOC	0.0200
	6.3200	2-Butoxyethanol	0.0200
LP60	9.8590	VOC	0.2600
	9.8590	2-Butoxyethanol	0.0300
LP61	12.8600	VOC	0.2600
	12.8600	Diethylene glycol n-butyl ether	0.0300
LP62	26.0090	VOC	0.0300
	26.0090	2-Butoxyethanol	0.0300
LP63	25.397	VOC	0.0500
	25.397	2-Butoxyethanol	0.0500
LP64	26.483	VOC	0.0600
	26.483	2-Butoxyethanol	0.0600
LP65	22.663	VOC	0.6000
	22.663	2-Butoxyethanol	0.0500
LP66	28.213	VOC	0.0800
	28.213	2-Butoxyethanol	0.0800
LP67	4.159	VOC	0.2600
	4.159	2-Butoxyethanol	0.0400
LP68	2.688	VOC	0.3600
	2.688	2-Butoxyethanol	0.0600
LP69	12.578	VOC	0.2500
LP70	11.897	VOC	0.1000
	11.897	2-Butoxyethanol	0.1000
LP71	4.225	VOC	0.0500
	4.225	2-Butoxyethanol	0.0500
LP72	12.814	VOC	0.0800
	12.814	2-Butoxyethanol	0.0800
LP73	7.252	VOC	0.0100
	7.252	2-Butoxyethanol	0.0100
LP74	12.508	VOC	0.0500
	12.508	2-Butoxyethanol	0.0500
LP75	5.832	VOC	0.0500
	5.832	2-Butoxyethanol	0.0500
LP76	2.854	VOC	0.0500
	2.854	2-Butoxyethanol	0.0500
LP77	27.444	VOC	0.0300

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

LP78	12.34	VOC	0.0600
	12.34	2-Butoxyethanol	0.0300
LP79	23.164	VOC	0.0300
LP80	2.559	VOC	0.1700
	2.559	2-Butoxyethanol	0.1200
LP81	4.549	VOC	0.1000
	4.549	2-Butoxyethanol	0.1000
LP82	5.267	VOC	0.1000
	5.267	2-Butoxyethanol	0.1000
LP83	11.859	VOC	0.2300
	11.859	2-Butoxyethanol	0.0300
LP84	0.831	VOC	0.0600
	0.831	2-Butoxyethanol	0.0600
LP85	0.481	VOC	0.0900
	0.481	2-Butoxyethanol	0.0900

APPLICABLE REGULATIONS

401 KAR 63:020, *Potentially hazardous matter or toxic substances*. The provisions of this administrative regulation are applicable to each affected facility, which emits or may emit potentially hazardous matter or toxic substances provided such emissions are not elsewhere subject to the provisions of the administrative regulations of the Division for Air Quality.

1. **Operating Limitations:**
None

2. **Emission Limitations:**
Pursuant to 401 KAR 63:020, persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet.

Compliance Demonstration Method:
If process operations change to increase hazardous or toxic emissions, then modeling may be required to comply with 401 KAR 63:020.

3. **Testing Requirements:**
None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Monitoring Requirements:
None

5. Recordkeeping Requirements:
None

6. Reporting Requirements:
None

SECTION C - GENERAL CONDITIONS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.

2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]

3. Any condition or portion of this permit, which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit
[Material incorporated by reference by 401 KAR 52:040, Section 1a, 11].

4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5].

5. This permit does not convey property rights or exclusive privileges [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].

6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].

SECTION C - GENERAL CONDITIONS (CONTINUED)

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f)].

2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

C. Reporting Requirements

1. a. In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   i. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

   b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1. a. above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].

2. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 6].

3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

   The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

SECTION C - GENERAL CONDITIONS (CONTINUED)

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency:

    a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation.

    b. To access and copy any records required by the permit.

    c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.

    d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Material incorporated by reference by 401 KAR 52:040, Section 1a, 3].

2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
    a. An emergency occurred and the permittee can identify the cause of the emergency;
    b. The permitted facility was at the time being properly operated;
    c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
    d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].

4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)].

SECTION C - GENERAL CONDITIONS (CONTINUED)

F. Compliance

1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
   a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
   b. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and nonroutine maintenance performed on each control device.
   c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].

2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period, and
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
   f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality Florence Regional Office 8020 Veterans Memorial Drive, Suite 110 Florence, KY 41042	Division for Air Quality Central Files 803 Schenkel Lane Frankfort, KY 40601-1403

SECTION C - GENERAL CONDITIONS (CONTINUED)

3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
   (a) Applicable requirements that are included and specifically identified in this permit; or
   (b) Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11]

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below.

Description	Generally Applicable Regulation
None	**Not Applicable**